VOLUME CONTENTS

Number 1

M. Nakamura, H. Kajiwara and W. Koterayama	1	Development of an ROV operated both as towed and self-propulsive vehicle
T. A. Hardy, L. B. Mason and J. D. McConochie	45	A wave model for the Great Barrier Reef
C.-C. Liang, C.-Y. Hsu and W.-H. Lai	71	A study of transient responses of a submerged spherical shell under shock waves
F. S. B. F. Oliveira	95	Improvement on open boundaries on a time dependent numerical model of wave propagation in the nearshore region
Y. R. Choi, S. Y. Hong and H. S. Choi	117	An analysis of second-order wave forces on floating bodies by using a higher-order boundary element method
D. R. Steward and V. G. Panchang	139	Improved coastal boundary condition for surface water waves
C. M. Lee, I. R. Park, H. H. Chun and S. J. Lee	159	Effect of free surface and strut on fins attached to a strut

Number 2

H. Hua Lee and W. Pei-Wen	179	Dynamic behavior of tension-leg platform with net-cage system subjected to wave forces
S. A. Sannasiraj, R. Sundaravadivelu and V. Sundar	201	Diffraction–radiation of multiple floating structures in directional waves
T.-W. Hsu and H.-K. Chang	235	*Technical Notes* Physical impact on the reclamation area resulting from offshore dredging at the Changhwa coast, Taiwan
K. I. Matveev and I. Ivanovich Matveev	253	Tandem hydrofoil system

Number 3

C. T. F. Ross, A. Terry and A. P. F. Little	263	A design chart for the plastic collapse of corrugated cylinders under external pressure
T. Kitano and H. Mase	279	Wave-induced porewater pressure in a seabed with inhomogeneous permeability
D. E. Calkins, R. D. Schachter and L. T. Oliveira	297	An automated computational method for planing hull form definition in concept design
C. Guedes Soares and M. Scotto	329	Modelling uncertainty in long-term predictions of significant wave height
	343	Book review
	345	Letter to the Editor

Number 4

C.-Y. Lin and J.-Y. Pan	347	The effects of sodium sulfate on the emissions characteristics of an emulsified marine diesel oil-fired furnace
A. Glykas and P. K. Das	361	Energy conservation during a tanker collision
A. Glykas, P. K. Das and N. Barltrop	375	Application of failure and fracture criteria during a tanker head-on collision
A. Glykas and P. K. Das	397	Energy conservation during grounding with rigid slopes
J.-S. Wu and M. Hsieh	417	*Technical Note* An experimental method for determining the frequency-dependent added mass and added mass moment of inertia for a floating body in heave and pitch motions

Number 5

V. Prabhakar and V. Sundar	439	Standing wave pressures on walls
A. F. A. Gawad, S. A. Ragab, A. H. Nayfeh and D. T. Mook	457	Roll stabilization by anti-roll passive tanks

O. Yilmaz, A. Incecik and N. Barltrop	471	Wave enhancement due to blockage in semi-submersible and TLP structures
A. G. Paton, N. F. Casey, J. Fairbairn and W. M. Banks	491	Advances in the fatigue assessment of wire ropes
A. C. Takinaci and M. Atlar	519	On the importance of boundary layer calculations instead of viscous correction in heavily loaded marine propellers while using a surface panel method
D. S. Jeng	537	Mechanism of the wave-induced seabed instability in the vicinity of a breakwater: a review
K.-R. Jin and Z.-G. Ji	571	*Technical Note* Calibration and verification of a spectral wind–wave model for Lake Okeechobee

Number 6

B. A. Younis, P. Teigen and V. P. Przulj	585	Estimating the hydrodynamic forces on a mini TLP with computational fluid dynamics and design-code techniques
J.-Y. Liu and C.-F. Huang	603	Acoustic plane-wave scattering from a rough interface over an inhomogeneous transition fluid layer
B. Gangadhara Prusty and S. K. Satsangi	621	Analysis of stiffened shell for ships and ocean structures by finite element method
S. Maiti and D. Sen	639	Time-domain wave diffraction of two-dimensional single and twin hulls
J. H. Pihl, H. Bredmose and J. Larsen	667	Shoaling of sixth-order Stokes waves on a current
L. Mangal, V. G. Idichandy and C. Ganapathy	689	Structural monitoring of offshore platforms using impulse and relaxation response
		Technical Notes
D. T. Cox and C. P. Scott	707	Exceedance probability for wave overtopping on a fixed deck
R. Latorre	723	Reducing fishing vessel fuel consumption and NO_x emissions

J. Wu and A. T. Chwang	735	Experimental investigation on a two-part underwater towed system

Number 7

J.-Y. Liu and C.-F. Huang	751	Acoustic plane-wave reflection from a rough surface over a random fluid half-space
S. I. Voropayev, A. W. Cense, G. B. McEachern, D. L. Boyer and H. J. S. Fernando	763	Dynamics of cobbles in the shoaling region of a surf zone
C. T. F. Ross, P. Youster and R. Sadler	789	The buckling of plastic oblate hemi-ellipsoidal dome shells under external hydrostatic pressure
D. J. Wood, M. Muttray and H. Oumeraci	805	The SWAN model used to study wave evolution in a flume
C.-C. Liang, M.-F. Yang and P.-W. Wu	825	Optimum design of metallic corrugated core sandwich panels subjected to blast loads
X. Chen, J. Zhang and W. Ma	863	On dynamic coupling effects between a spar and its mooring lines
M. C. Deo, A. Jha, A. S. Chaphekar and K. Ravikant	889	Neural networks for wave forecasting
R. J. Smith and C. J. MacFarlane	899	Statics of a three component mooring line
		Technical Notes
S. Chakrabarti	915	Empirical calculation of roll damping for ships and barges
C. A. Rossit and P. A. A. Laura	933	Free vibrations of a cantilever beam with a spring–mass system attached to the free end

Number 8

C.-P. Tsai, H.-B. Chen and J. R.-C. Hsu	941	Calculations of wave transformation across the surf zone

S. R. Massel	957	Wavelet analysis for processing of ocean surface wave records
G. Zhu, A. G. L. Borthwick and R. E. Taylor	989	A finite element model of interaction between viscous free surface waves and submerged cylinders
G. R. Rodríguez and C. Guedes Soares	1009	Correlation between successive wave heights and periods in mixed sea states
S. Maiti and D. Sen	1031	Nonlinear heave radiation forces on two-dimensional single and twin hulls
G.-R. Chen and M.-C. Fang	1053	Hydrodynamic interactions between two ships advancing in waves
J. Wu and A. T. Chwang	1079	Investigation on a two-part underwater manoeuvrable towed system
J. K. Paik, A. K. Thayamballi, P. Terndrup Pedersen and Y. I. Park	1097	Ultimate strength of ship hulls under torsion

Number 9

E. Romanelli and P. A. A. Laura	1135	Forced transverse vibrations of a simply supported rectangular orthotropic plate in the case where the force acts over a plate subdomain
C. J. Damaren	1145	The hydrodynamics of thin floating plates
M.-C. Lin, W.-J. Juang and T.-K. Tsay	1171	Anomalous amplifications of semidiurnal tides along the western coast of Taiwan
R. Panneer Selvam and S. K. Bhattacharyya	1199	Parameter identification of a compliant nonlinear SDOF system in random ocean waves by reverse MISO method
C.-C. Liang, C.-C. Liao, Y.-S. Tai and W.-H. Lai	1225	The free vibration analysis of submerged cantilever plates
C. T. F. Ross and A. P. F. Little	1247	The buckling of a corrugated carbon fibre cylinder under external hydrostatic pressure

D. Clarke	1265	Calculation of the added mass of circular cylinders in shallow water
Mukhtasor, R. Sadiq, T. Husain, B. Veitch and N. Bose	1295	Acute ecological risk associated with soot deposition: a Persian Gulf case study
		Technical Note
J. M. Vasconcellos and R. G. Latorre	1309	Recreational boat noise level evaluation

Number 10

H. S. Choi	1325	Free spanning analysis of offshore pipelines
C. C. Giarrusso, E. Pugliese Carratelli and G. Spulsi	1339	On the effects of wave drift on the dispersion of floating pollutants
S. Cokgor and I. Avci	1349	Hydrodynamic forces on partly buried tandem, twin pipelines in current
D. Clarke	1361	Calculation of the added mass of elliptical cylinders in shallow water
J. Xue and M. S. Hoo Fatt	1383	Buckle propagation in pipelines with non-uniform thickness
C.-O. Ng	1393	Mass transport in a two-layer wave boundary layer
D. S. Jeng, D. H. Cha, Y. S. Lin and P. S. Hu	1413	Wave-induced pore pressure around a composite breakwater
		Book Reviews
P. A. A. Laura and C. A. Rossit	1437	The Behavior of Sandwich Structures of Isotropic and Composite Materials
P. A. A. Laura, C. A. Rossit and D. V. Bambill	1439	Vibrations of Tubes in Heat Exchangers

Number 11

J.-Y. Liu, C.-F. Huang and S.-W. Shyue	1437	Effects of seabed properties on acoustic wave fields in a seismo-acoustic ocean waveguide
M. Cohen, T. Miloh and G. Zilman	1461	Wave resistance of a hovercraft moving in water with nonrigid bottom
T.-W. Hsu and C.-C. Wen	1479	A parabolic equation extended to account for rapidly varying topography
J.-s. Kouh and J.-b. Suen	1499	A 3D potential-based and desingularized high order panel method
A. T. Chan and S. W. C. Lee	1517	Wave characteristics past a flexible fishnet

Number 12

M. M. Islam, M. R. H. Khondoker and C. M. Rahman	1531	Application of artificial intelligence techniques in automatic hull form generation
C.-W. Li and P. Lin	1545	A numerical study of three-dimensional wave interaction with a square cylinder
X. Chao, N. J. Shankar and H. F. Cheong	1557	Two- and three-dimensional oil spill model for coastal waters
R. E. Rossi, R. H. Gutiérrez and P. A. A. Laura	1575	Forced vibrations of rectangular plates subjected to harmonic loading distributed over a rectangular subdomain
D. S. Jeng	1585	Wave dispersion equation in a porous seabed
H. H. Chun, S. H. Chun and S. Y. Kim	1601	Roll damping characteristics of a small fishing vessel with a central wing
I. Sahin and M. C. Hyman	1621	Simulation of three-dimensional finite-depth wave phenomenon for moving pressure distributions